IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re	Patent A	pplication of				
Deby	ser et al	(JUL 1 9 2004 &)	Atty. Ref.:	550-392		
Seria	ıl No.	09/403,625	Group:	1652		
Filed	: Fe	bruary 7, 2000	Examiner:	Fronda		
For:		ITORS OF CELLULOLYTIC, XYLANOL GLUCANOLYTIC ENZYMES	YTIC AND			
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Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450						
Sir: INFORMATION DISCLOSURE STATEMENT						
	1.	PTO-1449 Pursuant to 37 CFR 1.97(kg) [within 3 months of filing or prior to 1st		on the merits] <i>N/C</i>		
	2.(a)	Statement Pursuant to 37 CFR 1.97(c) [before Final Office Action or Allowance Statement or Rule 17(p) fee)]	•	ile 97(e) N/C		
	2 .(b)	Fee Payment Pursuant to 37 CFR 1.9 [before Final Office Action or Allowance Statement or Rule 17(p) fee)]		ile 97(e) <i>\$180.00</i>		
	3.	Pursuant to 37 CFR 1.97(d) [after Final Office Action or Allowance of Statement and Rule 17(p) fee), but before				

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The following are submitted in the above-identified application in compliance with 37 C.F.R. §§ 1.97 and 1.98:

A list of documents on Form PTO-1449 together with copies of each 冈 4. identified document and a translation or a concise explanation of each non-English language document (such as a Search Report) is enclosed herewith. Documents cited in the attached PTO-1449 Form which were originally cited in the International Search Report dated October 13, 1998 are not attached herewith as the applicants presume that the Examiner has already considered the same, pursuant to MPEP § 609. Confirmation of the Examiner's consideration of these references is requested by return of an initialed copy of the attached PTO-1449 Form.

This paper is submitted in accordance with:

\boxtimes	5.	37 (CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]			
	6.	37 (and	CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier];			
		a)	The required Statement made in item 8 below; or			
		b)	The \$180.00 fee specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized in item 9 below.			
	7.	37 CFR §1.97(d): [after Final Office Action or Allowance (requires Rule 97(e) Statement and Rule 17(p) fee), but before final fee payment]; and				
		a)	The fee (\$180.00) required by 37 CFR §1.17(p) is submitted herewith; and			
		b)	The required Statement is stated in item 8 below.			
	8.	Sta	Statement under 37 CFR 1.97(e)			
		a)	The undersigned attorney of record hereby certifies under 37 C.F.R. §1.97(e) that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement (each item contained in this IDS was the first citation of that item by a foreign patent office in a counterpart foreign application which occurred no more than three months prior to the filing of this IDS); or			
		b)	No item of information contained in this Information Disclosure Statement			

was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement, after making reasonable inquiry, no item of information contained in this Statement was known to any individual désignated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

9. Please charge all deficiency fees associated with the submission of this Information Disclosure Statement and any other fees applicable to this application to Deposit Account No. 14-1140. An original and one (1) copy of this document are enclosed.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By:

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of 1 Sheet 1 SERIAL NO. ATTY, DOCKET NO. INFORMATION DISCLOSURE JUL 1 9 2004 **CITATION** 09/403,625 550-392 **APPLICANT** Debyser et al GROUP **FILING DATE** (Use several sheets if necessary) 1652 February 7, 2000 U.S. PATENT DOCUMENTS FILING DATE *EXAMINER CLASS **SUBCLASS** IF APPROPRIATE NAME INITIAL DOCUMENT NUMBER DATE FOREIGN PATENT DOCUMENTS TRANSLATION YES NO **CLASS SUBCLASS** DOCUMENT DATE COUNTRY **WIPO** 02/1998 WO 98/05788 WO 96/29416 09/1996 **WIPO** OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) ZISER, Lothar et al: "Syntheses and testing of substrates and mechanism-based inactivators for xylanases", Carbohydr. Res. (1995), 274, 137-53 KESKAR, Sulabha S. et al: "Characterization and sequencing of an active-site cysteine-containing peptide from the xylanase of a thermotolerant streptomyces", Biochem. J. (1992), 281(3), 601-5 GOMES, D. J. et al: "Factors influencing the induction of endoxylanase by Thermoascus aurantiacus", J. Biotechnol. (1994), 33(1), 87-94 PAUL, Jaishree et al: "Influence of sugars on endoglucanase and beta.-xylanase activities of a Bacillus strain", Biotechnol. ett. (1990), 12(1), 61-4 DEBYSER, Winok et al: "Arabinoxylan solubilization and inhibition of the barley malt xylanolytic system by wheat during mashing with wheat wholemeal adjunct: evidence for a new class of enzyme inhibitors in wheat", J. Am. Soc. Brew. Chem. (1997), 55(4), 153-156 SPURWAY, Tracey D. et al: "Calcium protects a mesophilic xylanase from proteinase inactivation and thermal unfolding",

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

FIERENS, K., et al: "Molecular identification of wheat endoxylanase inhibitor TAXI-1, member of a new class of plant

Gebruers, K. et al: "Properties of TAXI-type endoxylanase inhibitors", Biochimica et Biophysica Acta 1696 (2004), 213-221

Date Considered

J. Biol. Chem. (1997), 272(28)

*Examiner

Chapter IV from GEBRUERS, K. et al., 2002 PhD. Thesis

Chapter III from GOESAERT, H. et al., 2002 PhD Thesis

proteins, FEBS Letters 540 (2003) 259-263